

000000	TTTTTTTTTT	SSSSSSSS	CCCCCCCC	VV	VV	TTTTTTTTTT	PPPPPPPP	GGGGGGGG
000000	TTTTTTTTTT	SSSSSSSS	CCCCCCCC	VV	VV	TTTTTTTTTT	PPPPPPPP	GGGGGGGG
00 00	TT TT	SS SS	CC CC	VV	VV	TT TT	PP PP	GG GG
00 00	TT TT	SS SS	CC CC	VV	VV	TT TT	PP PP	GG GG
00 00	TT TT	SSSSSS	CC CC	VV	VV	TT TT	PPPPPPPP	GG GG
00 00	TT TT	SSSSSS	CC CC	VV	VV	TT TT	PPPPPPPP	GG GG
00 00	TT TT	SS	CC	VV	VV	TT TT	PP	GG
00 00	TT TT	SS	CC	VV	VV	TT TT	PP	GG
00 00	TT TT	SS	CC	VV	VV	TT TT	PP	GG
00 00	TT TT	SS	CC	VV	VV	TT TT	PP	GG
000000	TT	SSSSSSSS	CCCCCCCC	VV	VV	TT	PP	GGGGGG
000000	TT	SSSSSSSS	CCCCCCCC	VV	VV	TT	PP	GGGGGG

LL		SSSSSSSS
LL		SSSSSSSS
LL		SS
LLLLLLLL		SSSSSSSS
LLLLLLLL		SSSSSSSS

(2) 49 HISTORY ; Detailed Current Edit History
(3) 57 DECLARATIONS
(4) 92 OTSSCVTPG_R9

0000 1 .TITLE OTSSCVTPG_R9 Convert Packed to G floating
0000 2 :IDENT /1-001/ ; File: OTSCVTPG.MAR Edit: PLL1001
0000 3
0000 4 *****
0000 5 *****
0000 6 *
0000 7 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 * ALL RIGHTS RESERVED.
0000 10 *
0000 11 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16 * TRANSFERRED.
0000 17 *
0000 18 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 * CORPORATION.
0000 21 *
0000 22 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28 FACILITY: LANGUAGE INDEPENDENT SUPPORT
0000 29 ++
0000 30 ABSTRACT:
0000 31 This module contains the routine that converts packed numbers
0000 32 to g floating.
0000 33
0000 34 --
0000 35
0000 36
0000 37 VERSION: 1
0000 38
0000 39 HISTORY:
0000 40
0000 41 AUTHOR:
0000 42 Pamela Levesque, 18-Jan-1982
0000 43
0000 44 MODIFIED BY:
0000 45
0000 46
0000 47

Convert Packed to G floating I 2
HISTORY ; Detailed Current Edit History 16-SEP-1984 00:26:00 VAX/VMS Macro V04-00
6-SEP-1984 11:13:20 [LIBRTL.SRC]OTSCVTPG.MAR;1 Page 2
**

0000 49 .SBTTL HISTORY ; Detailed Current Edit History
0000 50
0000 51
0000 52 : Edit History for Version 1 of OTSCVTPG
0000 53
0000 54 : 1-001 - Original. PLL 18-Jan-1982
0000 55

```
0000 57 .SBTTL DECLARATIONS
0000 58
0000 59 : INCLUDE FILES:
0000 60 : SDSCDEF
0000 61
0000 62
0000 63
0000 64 : EXTERNAL SYMBOLS:
0000 65 .DSABL GBL : Prevent undeclared symbols from being
0000 66 : automatically global
0000 67
0000 68 .EXTRN OTSSCVT_T_G : D, E, F, G Conversion routine
0000 69
0000 70 :
0000 71
0000 72 : MACROS:
0000 73 .NONE
0000 74
0000 75 :
0000 76
0000 77 : PSECT DECLARATIONS:
0000 78 .PSECT _OTSSCODE PIC, SHR, LONG, EXE, NOWRT,-
0000 79 : USR, CON, REL, LCL, RD
0000 80
0000 81
0000 82 : EQUATED SYMBOLS:
0000 83 .NONE
0000 84
0000 85 :
0000 86
0000 87 : OWN STORAGE:
0000 88 .NONE
0000 89
0000 90 :
```

08 AE	1F	5E	28	C2	0000	137	01SSCVTPG R9::		
		68	57	08	0003	138	SDBL2	#40,SP	: Space for temp string and result
					0009	139	CVTPS	R7,(R8),#31,8(SP)	: Make a separate sign string
					0009	140	:		
					0009	141	:	Make a descriptor for the leading separate string.	
					0009	142	:		
7E	53	DD	0009		143	PUSHL	R3		: Address = temp string
	01	90	0008		144	MOVB	#DSC\$K_CLASS_S,-(SP)		: Class = static
7E	0E	90	000E		145	MOVB	#DSC\$K_DTYPE_T,-(SP)		: Data type = ASCII text
7E	20	B0	0011		146	MOVW	#32,-(SP)		: Length = 32 bytes
			0014		147	:			
			0014		148	:	Now call the conversion routine.		

OTSSCVTPG R9 Symbol table

Convert Packed to G floating

12

16-SEP-1984 00:26:00 VAX/VMS Macro V04-00
6-SEP-1984 11:13:20 [LIBRTL.SRC]OTSCVTPG.MAR;1

Page 6
(4)

DSC\$K_CLASS_S
DSC\$K_DTYPE_T
OTSSC0TPG_R9
OTSSCVT_T-G

= 00000001
= 0000000E
00000000 RG X 02
00

! Psect synopsis !

PSECT name

Allocation	PSECT No.	Attributes												
00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE		
00000000 (0.)	01 (1.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE		
0000003D (61.)	02 (2.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG		

! Performance indicators !

Phase

Page faults	CPU Time	Elapsed Time
30	00:00:00.05	00:00:00.96
110	00:00:00.33	00:00:03.29
132	00:00:01.14	00:00:05.50
0	00:00:00.09	00:00:00.10
42	00:00:00.29	00:00:01.27
2	00:00:00.01	00:00:00.01
2	00:00:00.01	00:00:00.01
0	00:00:00.00	00:00:00.00
320	00:00:01.92	00:00:11.14

The working set limit was 1050 pages.

8057 bytes (16 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 133 non-local and 2 local symbols.

167 source lines were read in Pass 1, producing 10 object records in Pass 2.

8 pages of virtual memory were used to define 7 macros.

-----+ ! Macro library statistics ! +-----

Macro Library name

\$255\$DHA28:[SYSLIB]STARLET-MLB:2

190 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=L1SS:OTSCVTPG/OBJ=OBJS:OTSCVTPG_MSRCs:OTSCVTPG/UPDATE=(ENHS:OTSCVTPG)

0212 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

